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COUNTRY Hungary-China

SUBJECT Radio Stations for China
Built in Hungary

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1. Chinese Foreign Trade Minister Ye-Chi-Chuang, and Yen Pin-Tsan, Deputy Commander of the Chinese Air Force, signed several important contracts in the spring of 1953.
2. China was to receive from Budapest, heavy industrial machinery, war materials, medicaments, medical equipment and instruments in the course of the year. The major part of the shipments consist of modern and large capacity radio stations produced in Hungary which were to be manufactured by the Beloiannis factory in Budapest. Experiments with these new type emission stations have been carried out for several months at the XI plant of the factory. Such a modern station, however, can only be set up with the cooperation of several major plants.
3. The following Hungarian state enterprises are taking part in the shipments to China: Beloiannis, Mavag Bridge Construction Department, Transzvil, Radio Technical Enterprise, the Porcelain Factory at Kőbánya, Bridge Construction Enterprise, the Electrical Fitting Enterprise and several smaller enterprises.
4. The stations are of 135 kilowatts. Since it would have been difficult to obtain condensers from abroad, a new gas condenser has been developed from Hungarian material. The water used for the cooling of the tubes is being used for the heating of the buildings. Great pains are taken to achieve perfect dustproofing. Six hundred liters of water per minute are needed for the cooling of the radio tubes. The aerial is 150 meters high, a product of the Mavag Bridge Building Department, and contains approximately 50 metric tons of iron.

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5. Forty companies are working on the production of the radio stations. The emission station itself is being made by the Beloianniaz factory, the best of this kind in Central Europe, under the management of Béla Malcsiner, chief engineer, and his colleagues.
6. The first of these large emission stations has been set up in the Transdanubian part of Hungary at the boundary of Balatonszabadi village, in order to test and, if necessary, to improve it. This station is situated along route No. 7 on the Balaton highway (when going from Budapest south west) at the borders of Fejér and Somogy Counties, a few kilometers before reaching the village of Balatonszabadi. This station has been in operation for quite some time and allegedly has given full satisfaction. The recording is done at the Budapest studios, which are connected with the station by a 115 km long underground cable. The electric current is supplied by the power works of Inota. There is a direct telephone line from the plant to the telephone center at Siofok. In order to get the best results and perfect isolation, all cables were put underground.
7. In constructing this station, great economy has been exercised, not as formerly with the orders of the "Friendly Chinese Peoples Republic". For instance a new 150 high aerial has been built, as it would have increased construction costs considerably, but a similar tower has been dismantled at Lakihegy and reerected at the site of the new station. All work connected with the mounting of this tower has been executed by engineer Susánszky and his colleagues. The new radio station works on a 344 meter length.

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